Editorial Attitudes and Careers ........................................ 437

Articles Fine Structure of the Hydrogen Atom: W. E. Lamb, Jr. .......... 439
U.S. Geological Survey Radiocarbon Dates III: M. Rubin and H. E. Suess ... 442
A. L. Tatum, Practical Pharmacologist: F. E. Shideman .................. 449

News of Science Smoking, Air Pollution, and Lung Cancer; Cosmic Spherules in Deep Sea Sediments; AEC Secrecy Policy Challenged; Geneva Nuclear Exhibit; NSF Appropriations; Tracing Atmospheric Pollutants; Electroluminescence in Disordered Zinc Sulfide; Radio Waves from Jupiter; Cosmic Ray Activity; News Briefs; Scientists in the News; Recent Deaths; Education; Grants, Fellowships, and Awards; In the Laboratories; Miscellaneous .......................... 450

Reports and Letters Dissociation of Cultures from Picea glauca into Small Tissue Fragments and Single Cells: J. Reinert ......................... 457
Experimental Monocytic Leukemia: F. Pentimalli ....................... 458
Copper Fluorides: H. M. Haendler .................................. 459
Paleotemperatures of Pacific Bottom Waters and Multiple Hypotheses: O. L. Bandy ........................................ 459
On Paleotemperatures of Pacific Bottom Waters: C. Emiliani ........... 460
Hemoglobin-Reactive Substance in Human Serum: R. J. Wieme; A. H. Tuttle 461
Serum Components in the Newborn: E. Sohar et al. .................... 461
Carbon Dioxide Sorption by Yeast: J. Amsz, Jr., R. F. Dale, H. J. Peppler ... 463
Pseudotuberculosis in Experimental Animals: I. L. Shechmeister ........ 463
Artemia salina as a Test Organism for Bioassay:
A. S. Michael, C. G. Thompson, M. Abramovitz .......................... 464

Book Reviews Chemistry of the Solid State; Advances in Cancer Research; Catalysis; The Mammalian Fetus: Physiological Aspects of Development; New Books ........ 465

Scientific Meetings Phospholipid Symposium; Meeting Notes; Forthcoming Events ........ 468
Equipment News .......................................................... 475
